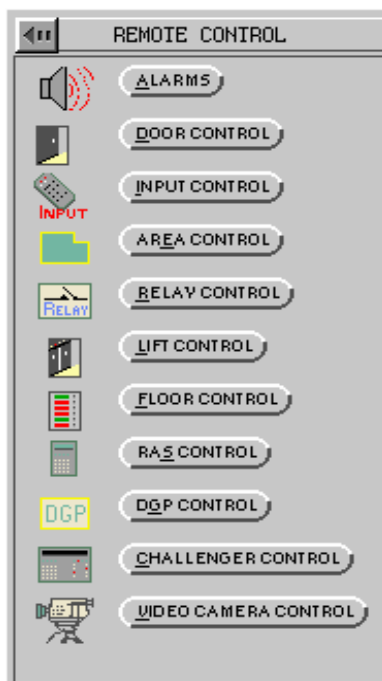


REMOTE CONTROL MENU

When a system contains a large number of items it is often easier to narrow down your selection by using member, member groups and clusters. The three fields can be used in any combination or individually. If all of the three fields are omitted, and no item is selected, an action will be performed on every item that the operator has access to.

To avoid the possibility of controlling unwanted items, care should be exercised when using the Member Group, Member or Cluster fields. In large systems, omitting all fields or using just Member Group or Member fields without the Id field, is not recommended unless the operator is fully familiar with the items contained in each group.



In this section of the manual you will learn to:

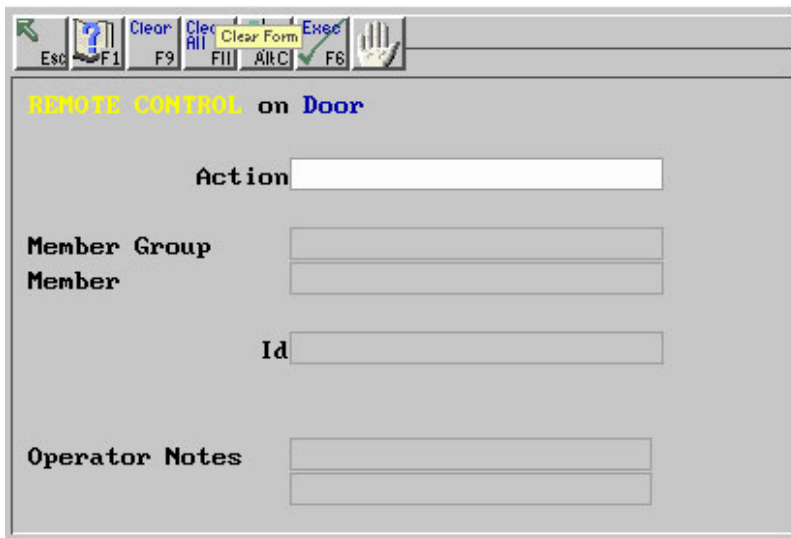
- * **Control Doors.**
- * **Control Inputs.**
- * **Control Areas.**
- * **Control Relays.**
- * **Control Lifts.**
- * **Control Floors.**
- * **Control RASs.**
- * **Control DGPs and Challengers.**

Door Control

Doors are selected from either member, member group or by individually selecting an ID. The following actions can be remotely performed on a door by accessing the **Action** field drop down options menu:

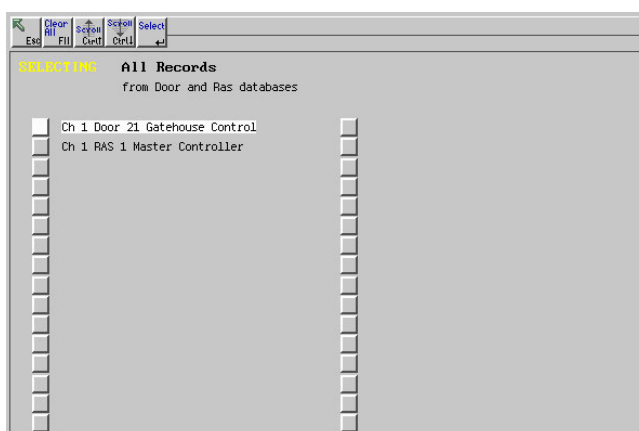
- | | |
|-----------------------|---|
| Open Door: | This action will open the door for the unlock period set in Challenger menu options. |
| Open Door for a Time: | This action will open the door for a time period set by the operator. |
| Unlock Door: | This action will unlock the door until a lock command occurs. |
| Lock Door: | This action will lock the door until an unlock command occurs. |
| Disable Door: | This action will hold the door disabled, or unmanageable through ARES or a Challenger, until the Enable Door command is used. |
| Enable Door: | This action will re-enable the door and allow it to be controlled through ARES and a Challenger. |

Door Control Screen



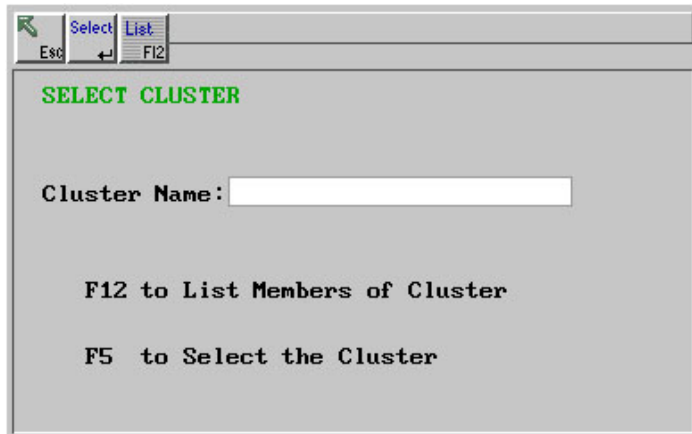
Steps:

- 1) Select Remote Control / Door Control.
- 2) To select an **Action**, press **F4** or click the right mouse button on the highlighted field. Select an option from the drop down options menu.
- 3) Select a Member Group to restrict the door to those belonging to a Member Group.
- 4) Select a Member to restrict the doors to those belonging to this Member. **NOTE:** Selecting Member precludes selecting a Member Group. Select the appropriate member group and click the **select** icon, press enter or **F5**.
- 5) To select individual doors, click the right mouse button in the highlighted **Id** field or press **F4**. A search screen will open displaying available door IDs.



To select the appropriate door ID, click the right mouse button twice on the check box corresponding to the door id and then press enter.

- 6) Clusters are associated with IDs. To select a cluster the **Id** field does not need to be highlighted. Click on the **cluster** icon and the following screen will open.



To select a cluster, click the right mouse button once or press **F4**. A search screen will open displaying available clusters.

Select the appropriate cluster and click the right mouse button once on the **select** icon, press enter or **F5**. The cluster's contents can be checked from this screen by clicking the **list** icon or press **F12**. Once out of this screen click the right mouse button once on the **Id** field for a contents listing.

Click on the **esc** icon or press **esc** to return to the previous screen. Confirm the cluster selection by clicking on the **select** icon, press enter or **F5**.

- 8) In the highlighted **Operator Notes** field type in a brief explanation of why this action is being taken and then press enter.
- 9) Check the information is correct and click the **exec** icon or press **F6**.

Input Control

Control of an input allows an operator to perform a number of functions on a piece of security equipment. Repairs, for example, will often require a device to be 'out of action' for a time. Being able to control that input means that repairs can be done without generating alarms.

If a door strike needs to be repaired, it can be isolated from the rest of the system. Replacement of the part can then be made without generating alarms. Once the repair is done the input can be de-isolated.

Actions which can be performed on an input, accessed from a drop down options menu in the **Actions** field, are:

Isolate:	To disable the input from functioning (to ignore).
De - Isolate:	To re-enable the input to function normally.
Reset:	This action will reset an input, if the input in alarm has been returned to its sealed condition.
Reset/Ack:	This action will reset an input immediately if the input in alarm has been returned to its sealed condition. If it has not been sealed, the input will reset as soon as it returns to the sealed condition.

Area Control

Areas can be remotely controlled according to time zones, user access and so on, but often it is necessary for alterations due to usual work procedures. Building works or dangerous situations can mean unsafe working conditions so to reduce the chances of an accident, the area can be secured. If someone tries to enter, an alarm can be generated and access denied. Once the abnormal situation has passed, the area can be accessed again and return to normal functioning. Actions performed on an area can be accessed from the **Actions** field drop down options menu:

Secure:	To disarm the area(s) and allow all inputs assigned to the areas that have a night function to become inactive and all inputs with a day function to become active.
Access:	Opposite of the above.

Relay Control

Controlling a relay or any of the other components in this menu allows an operator to deal with conditions that are outside normal functioning. Actions which can be performed on a relay are selected from a drop down options menu in the **Action** field:

Set:	To activate the output(s).
Reset:	To deactivate the output(s).

Lift Control

This allows the operator to remotely enable or disable lifts.

Enable:	To allow the lift to function normally. That is, allows users to present their cards, PIN codes etc., and gain access to specific floors (providing their access level allows them).
Disable:	Sets the lift into non-operation mode. It is unable to accept user cards, PIN codes etc (even though their access level allows them to.)

Floor Control

Allows the operator to give free access (no card required) or secure access (card required) to a floor in specific lifts.

For example: An operator can give free access to Floor 1 in Lift 1 Car 17, but Floor 1 in Lift 19 can be secure accessed.

Secure Floor: This sets the floor in the specified lift to require a valid card/PIN code to gain access.

Access Floor: This allows the floor in the specified lift to have free access (no card/code required) to gain access.

RAS Control

A remote arming station can also be isolated from the system. A new RAS may be needed or a change of location or a repair. RAS' can be controlled from a drop down options menu in the **Action** field:

Isolate: This function will isolate a RAS to prevent any system alarms from being generated on RAS fault and tamper conditions. This feature might be used to remove a "RAS Offline" message from the system when a unit has stopped communicating. After the fault is reported, the RAS may be isolated while awaiting service.

De-Isolate: This function will de-isolate the RAS so that system alarms will be generated on RAS fault and tamper conditions.

DGP and Challenger Control

Repairs can require that a DGP or Challenger be separated from the system without causing alarms. Having the ability to isolate this equipment within the system means a great deal of flexibility for an operator. DGPs and Challengers can be controlled from a drop down options menu in the **Action** field:

Isolate This function will isolate a DGP or Challenger panel to prevent any system alarms from being generated on fault and tamper conditions. This feature might be used to remove a "DGP Siren Fail" or "DGP Offline" message from the system when a unit has been tampered with or has stopped communicating. After the fault is reported, the DGP may be isolated while awaiting service.

De - Isolate: This function will de-isolate the DGP or Challenger so that system alarms will be generated on the fault and tamper conditions.

Battery Test: This function will test the Challenger or DGP(s) battery for a pre-set period.

Cancel Battery Test: This function will cancel the battery test the performed on a Challenger or DGP(s).

Untimed Battery Test: This function will test the Challenger or DGP(s) battery for an unlimited period until canceled.

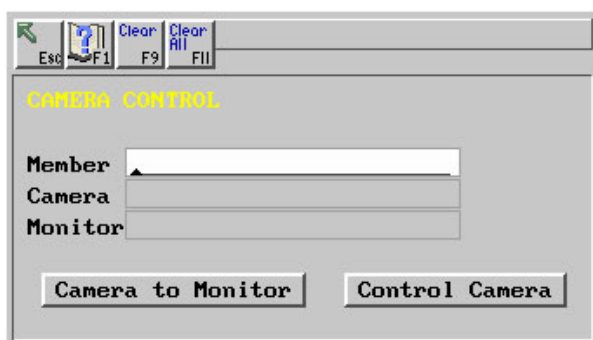
REMOTE CONTROL MENU - VIDEO CAMERA CONTROL

Video System Control - Video Camera Control

Cameras identified to the system can be controlled to show images in a particular place on a particular monitor. Selecting a member will restrict the searches to equipment belonging to that member.

To Switch a Camera to a Monitor, you must select both a Monitor and a Camera then double click on the **Camera To Monitor** button.

Video Camera Control Screen



Steps:

- 1) Select the Remote Control / Video System Control / Video Camera Control icon from the Video System Control menu.
- 2) In the highlighted **Member Id** field click the right mouse button or press **F4**. A search screen will open displaying available members. This step is optional and can make locating the camera easier.

To Control a Camera, select a Camera, then double click on the **Control Camera** button. The Control Panel will display: camcontr.bmp

VIDEO MONITORING MENU

Video Monitoring is used to control and program any video monitoring equipment which makes up part of the security system.



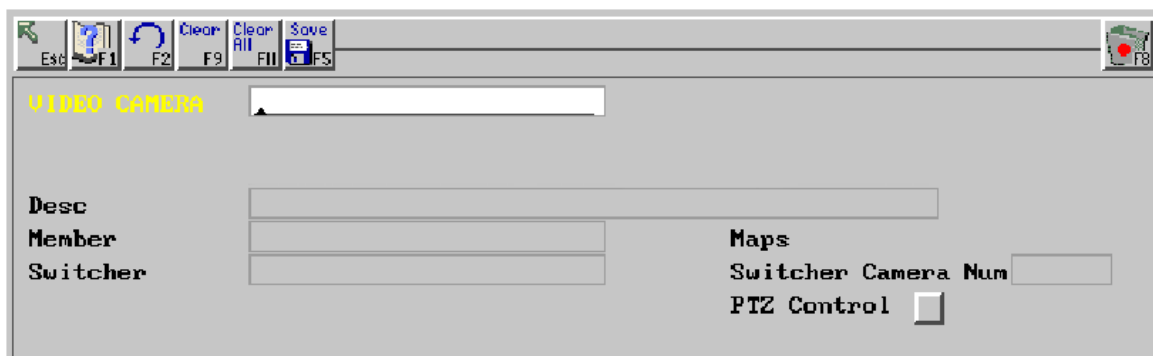
In this section of the manual you will learn to:

- * **Set up Video Cameras.**
- * **Set Monitors.**
- * **Set Switchers.**
- * **Set Video Presets.**

Video Cameras

Video cameras can be controlled from ARES via a video switcher. A map reference for the camera is also displayed. Camera and Monitor Icons can be placed on Graphics Maps.

Video Cameras Screen



Steps:

- 1) Select the Video Monitoring / Video Cameras.
- 2) Select a Camera ID.

The remainder of the fields will be filled in with information about the selected camera.

- 3) To create a new video camera record in the highlighted **Video Camera** field, type an ID for the camera and press enter. A message will appear on screen to notify the camera record is new. Press enter.
- 4) In the **Camera** field type a description of the camera's physical location, press enter.
- 5) In the **Camera** field type in a description of the camera's job (for example, where it is looking) and press enter.
- 6) Select a Member for the Camera.
- 7) Select the Video Switcher to which the camera is connected. Double click the **Switcher** field or press **F3**. See **Reference Manual, Video Switchers**.
- 8) Maps information - This is read only and indicates if the camera is on a map.
- 9) In the **Switcher Camera Num** field type in the number that the switcher "knows" the camera as and press enter.
- 10) If the Camera has Pan/Tilt/Zoom capabilities, check the **PTZ** box.
- 11) Check the information is correct and click the **save** icon or press **F5**.

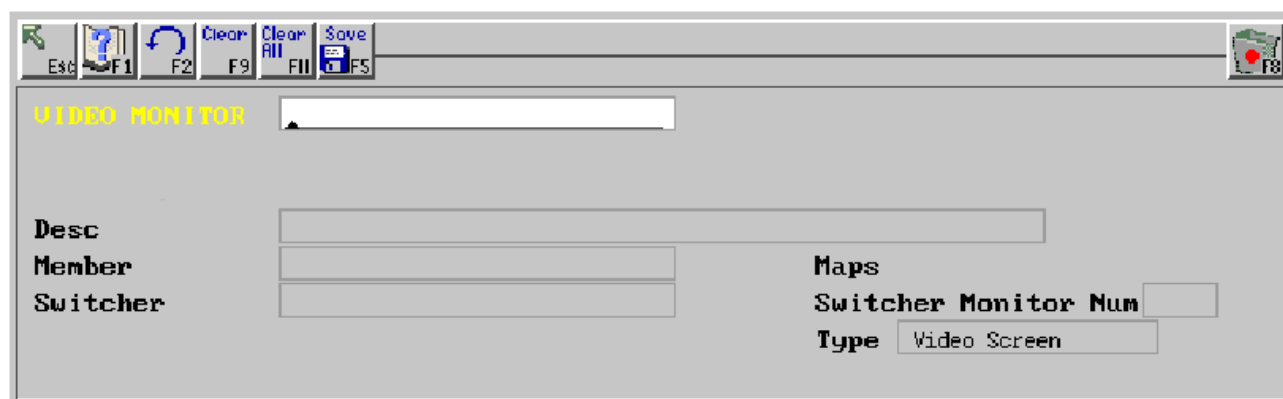
Video Monitors

Video monitors are connected to a switcher with which ARES communicates.

The monitor type may be:

1. Video Screen: A screen which will display the images from the camera but not record them.
2. Video Recorder: A video recorder.

Video Monitors Screen



VIDEO MONITOR

Desc:

Member:

Switcher:

Maps:

Switcher Monitor Num:

Type:

Steps:

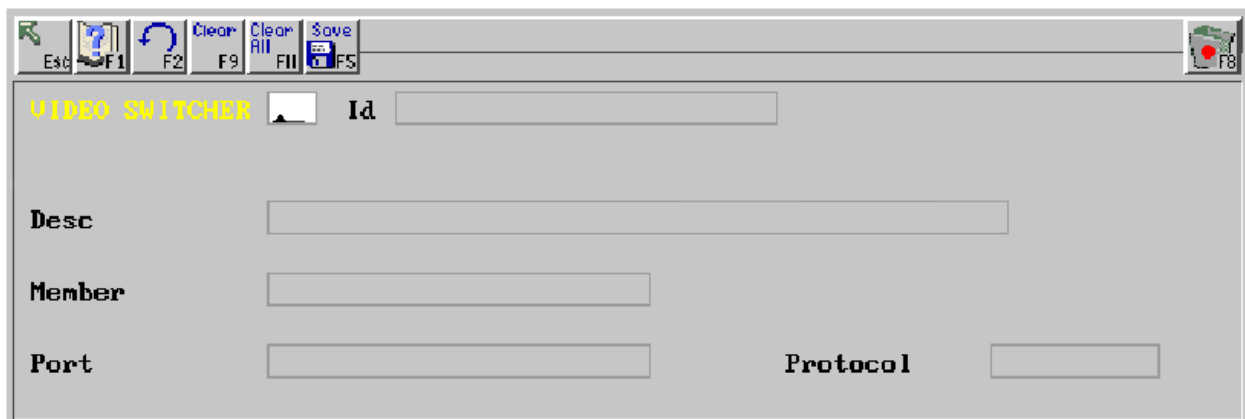
- 1) Select Video Monitoring / Video Monitors.
- 2) Select the monitor ID.
- 3) To create a new monitor record, type an ID for the monitor in the highlighted **Video Monitor** field or press enter. A message will appear on screen to notify you the monitor record is new. Then press enter.
- 4) In the **Location** field type in a description of the monitor's physical location and press enter.
- 5) In the **Desc** field type in a description of the monitor's job (for example, where it is looking) and press enter.
- 6) Select the appropriate member.
- 7) Select the Video Switcher to which the monitor is connected. See **Reference Manual, Video Switcher**.
- 8) Maps information - this is information that is read only.
- 9) In the highlighted **Switcher Monitor Num** field type in the number that the switcher "knows" the monitor as.
- 10) Select the Type (Monitor Screen).
Select the appropriate option from the drop down options menu and press enter.
- 12) Check the information is correct and click the **save** icon or press **F5**.


Video Switchers

Video switchers are the equipment which ARES uses to change camera view and monitor selection. The equipment has to be assigned to a member and allocated a port. ARES supports a number of switcher makes which can be selected from a drop down options menu in the **Protocol** field:

eg: Pacom 2030 Maxpro Kalatel Panasonic

Video Switchers Screen



VIDEO SWITCHER  **Id**

Desc

Member

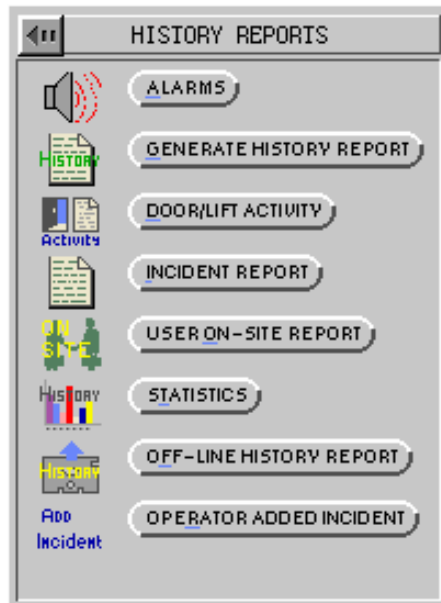
Port **Protocol**

Steps :

- 1) Select the Video Monitoring / Video Switchers.
- 2) If the switcher's ID number is already known type it directly into the **Video Switcher** field type and press enter. If it is not already known, click the right mouse button once or press **F4**. A search screen will open displaying available switchers. Select the appropriate switcher.
- 3) To create a new switcher record, type an ID number for the switcher in the highlighted **Video Switcher** field and press enter. A message will appear on screen to notify the switcher record is new. Then press enter.
- 4) In the **Id** field type in a name for the switcher and press enter.
- 5) In the **Location** field type in a description of the switcher's physical location and press enter.
- 6) In the **Desc** field type in a description of the switcher's purpose and press enter.
- 7) Select a Member.
If a new member is required then clear the field using the delete key or press **F9**. Double click the **Member** field or press **F3**. See **Programming Functions, Members**.
- 8) In the highlighted **Port** field click the right mouse button once or press **F4**. A search screen will open displaying available ports.
Select the appropriate port and click the **select** icon, press enter or **F5**.
If a new port is required then clear the field using the delete key or press **F9**. Double click the **Port** field or press **F3**. See **Programming Functions**.
- 9) In the highlighted **Protocol** field click the right mouse button once or press **F4**.
Select the appropriate option from the drop down options menu and press enter.
- 10) Check the information is correct and click the **save** icon or press **F5**.

HISTORY REPORTS MENU

History reports are a means of monitoring how the security system is functioning and to provide information on events.



In this section of the manual you will learn to:

Generate reports on:

- * **History**
- * **Door and Lift Activity**
- * **Incidents, Users On Site and Statistics**
- * **Offline History and Operator Added Incidents**

Generate History Report

The Generate History Report option allows reports to be generated on any item in the ARES system. Event types can be used as report parameters. The operator can use as many of the event parameter fields as they wish in order to define exactly what information the report will provide. If no restrictions are specified and the report is executed, all system and user history will be printed - dependant on the Operators Access Level.

Operators or users as a group can be selected from a drop down option in the **Op/User** field. The operator can also select a sort order for the data provided in the report, by selecting one of the options from a drop down options menu in the **Sort Order** field:

Incident Number: Events will be sorted numerically according to their incident numbers.

Point Id: Each security point in the ARES system is assigned an ID which can used to sort the report numerically.

Operators and Users: The operators or users will be displayed in alphabetical order with accompanying information.

Event Type: Events will be sorted by Event Type.

Date/Time: Events will be sorted in a chronological order.

Within a group, ie: **User**, the selected items are an “OR” match. However, between groups the items they are an “AND” match.

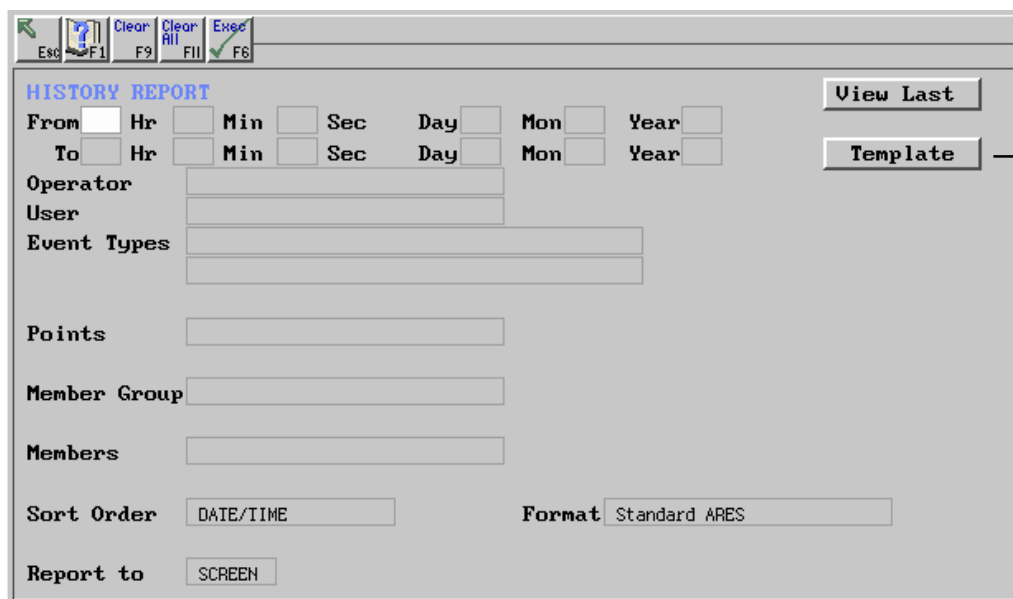
As with all reports it can viewed on screen or sent to a printer or disk.

Selecting member groups and members will define the range of points available and the users and operators who will be included in a report. By not selecting a member, but selecting users and an event type and point, then the report will be based on all users who have been in contact with the point specified and had the specified event type occur as a result of them using the security system.

Points which can be selected for a report from a drop down options menu in the **Points** field are:

Area	Floor
Challenger	Input
DGP	RAS
Door	Relay

Generate History Report Screen

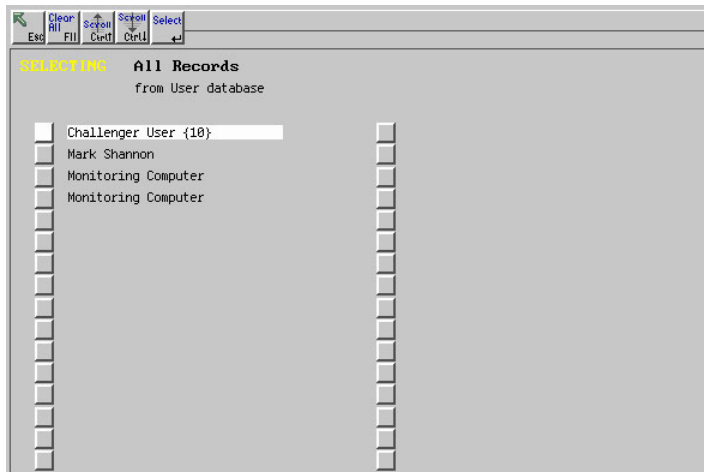


For Template information, see the Template Appendix.

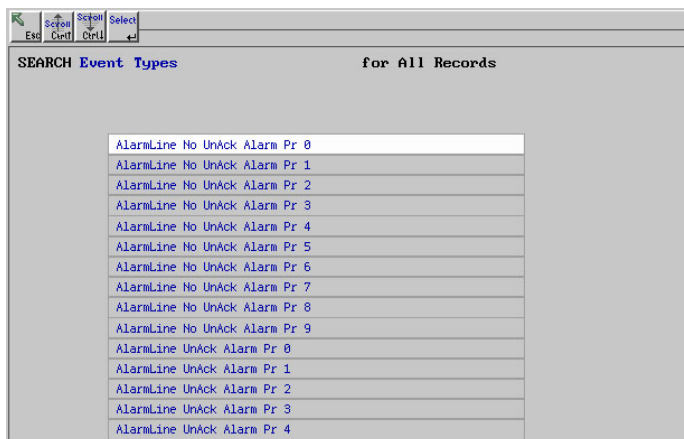
Steps:

- 1) Select the History Reports / Generate History Report menu. Fill in all, or some, of the following fields.

- 2) In the highlighted **From** and **To** fields type in the reports start and end dates and times, then press enter.
- 3) In the highlighted **Operator** or **User** field click the right mouse button or press **F4**.
Select the appropriate option from the drop down options menu. A search screen will open displaying available user or operator IDs.



- Select the appropriate user/operator ID and click the **select** icon, press enter or **F5**.
- 4) In the highlighted **Event Type** field click the right mouse button once or press **F4**. A search screen will open displaying available event types.



Select the appropriate event type (two can be selected by repeating this process) and click the **select** icon, press enter or **F5**.

A new Event Type may be created by combining existing ARES Event Types.

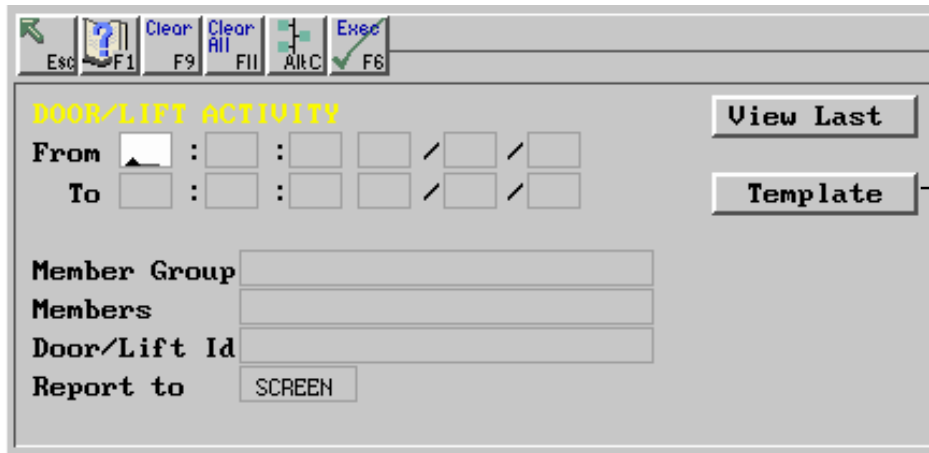
If a new event type is required then enter the ID for the new Event Type. Double click the **Event Type** field or press **F3**. See **Programming Functions, Members Database, Event Types**.

- 5) Select a Challenger point, if required, by clicking the right mouse on the highlighted **Points** field or press **F4**.
Select the appropriate option from the drop down options menu and press enter.
- 6) Select a Member Group if required.
- 7) Select a Member if required. **NOTE:** Selecting a Member precludes selecting a Member Group.
- 8) Selecting a sort order for the report. In the highlighted **Sort Order** field click the right mouse once or press **F4**.
Select the appropriate option from the drop down options menu and press enter.
- 9) To view the report, click the right mouse button in the highlighted **Report to** field or press **F4**.
Select the appropriate option from the drop down options menu and press enter.
- 10) To execute the report, press **F6** or click the **exec** icon. A message from ARES will indicate when the report has been completed.

Door / Lift Activity

This menu facility exists specifically for generating reports on Door Activity. Activity is reported on **From** and **To** a specified time and date. Doors can be selected in groups through member groups, members or specifically by selecting the door ID. As with all reports it can be viewed on screen or sent to a printer.

Door / Lift Activity Screen



For Template information, see the Template Appendix.

Steps:

- 1) Select the History Reports / Door Activity icon from the History Reports menu.
- 2) To set the date and time parameters, type in the report's start and end dates and times in the highlighted **From** and **To** field and then press enter.
- 3) Select Member Group if required.

- 4) Select Members if required. **NOTE:** Selecting a Member precludes selecting a Member Group.
- 5) Select the appropriate doors. Leaving Doors blank will generate a report on all doors (unless restricted by Member Group or Member).
- 6) To execute the report, press **F6** or click the **exec** icon. A message from ARES will indicate when the report has been completed.

Incident Report


An incident report allows the operator to generate a report on a specific incident, providing details of all the events in the system relating to the incident specified.

e.g. An incident report on a DOTL (Door Open Too Long) Alarm could contain:

- the initial alarm event
- the operators initial response
- the acknowledge event
- another response while the alarm was in the follow up screen
- and finally the alarm reset

The incident report simplifies the report generation process by only prompting the operator for the incident number. As with all reports it can be viewed on screen or sent to a printer.

Incident Report Screen



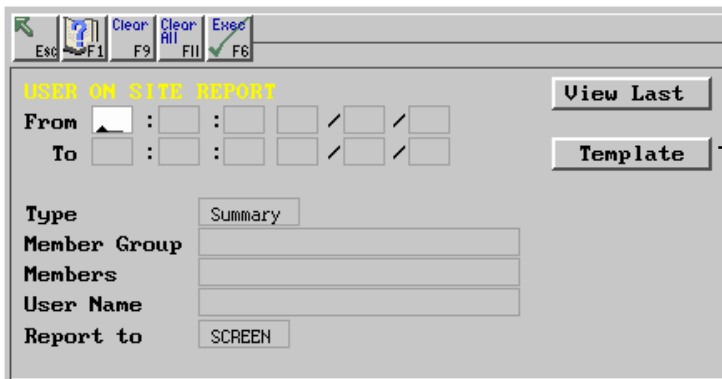
Steps:

- 1) Select the History Reports / Incident Report from the History Reports menu.
- 2) In the **Report for Incident** field enter the number of the incident which is the basis of the report, press enter.
- 3) To execute the report, press **F6** or click the **exec** icon. A message from ARES will indicate when the report has been completed.

User on Site Report

Produces a report of users who are registered as being on site.

User On Site Report Screen



For Template
information,
see the
Template
Appendix.

Steps:

- 1) Select the History Reports / User On Site Report icon from the History Reports menu.
- 2) In the **From** and **To** fields enter a time from which the report will start and end.

IMPORTANT NOTE: The entered times refer to Challenger times, not the PC or location times.

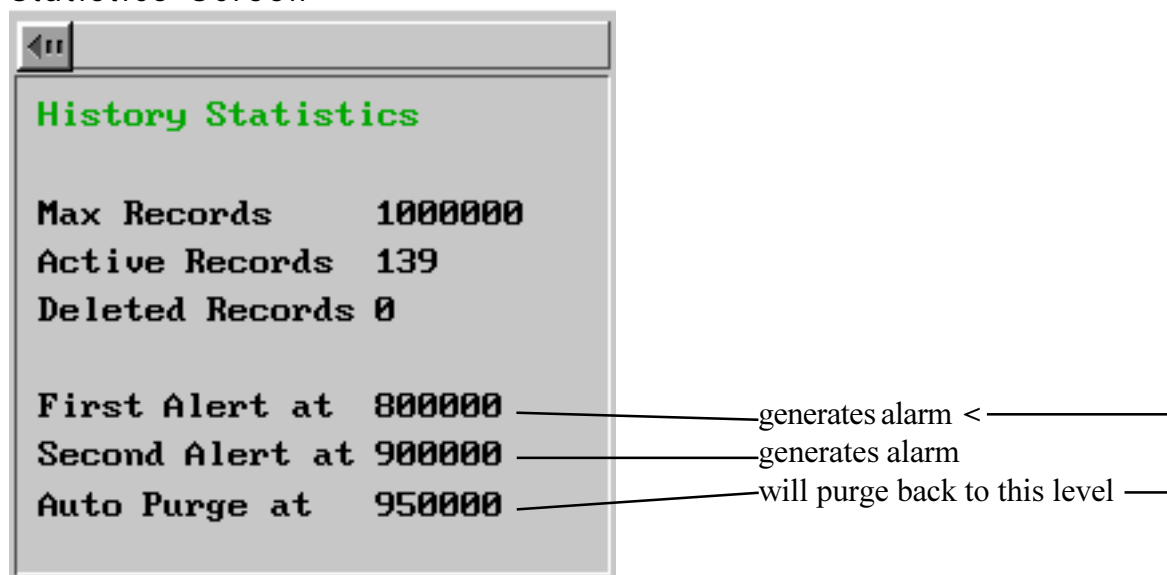
- 3) Select a Member Group if required.
- 4) Select a Member if required. **NOTE:** Selecting a Member precludes selecting a Member Group. Select the appropriate member and click the **select** icon, press enter or **F5**.
- 5) To execute the report, press **F6** or click the **exec** icon. A message from ARES will indicate when the report has been completed.

Statistics

The statistics report displays the total number of history records the system can hold, the number currently being stored, and the number of deleted history records (these remain on file but are deleted by replacing the record with a new one). An alarm can be generated at a certain level or number of history records in the system. Purge can also be set to occur when the number of history records reaches a certain level.

History must be backed up and purged regularly.

Statistics Screen



Steps:

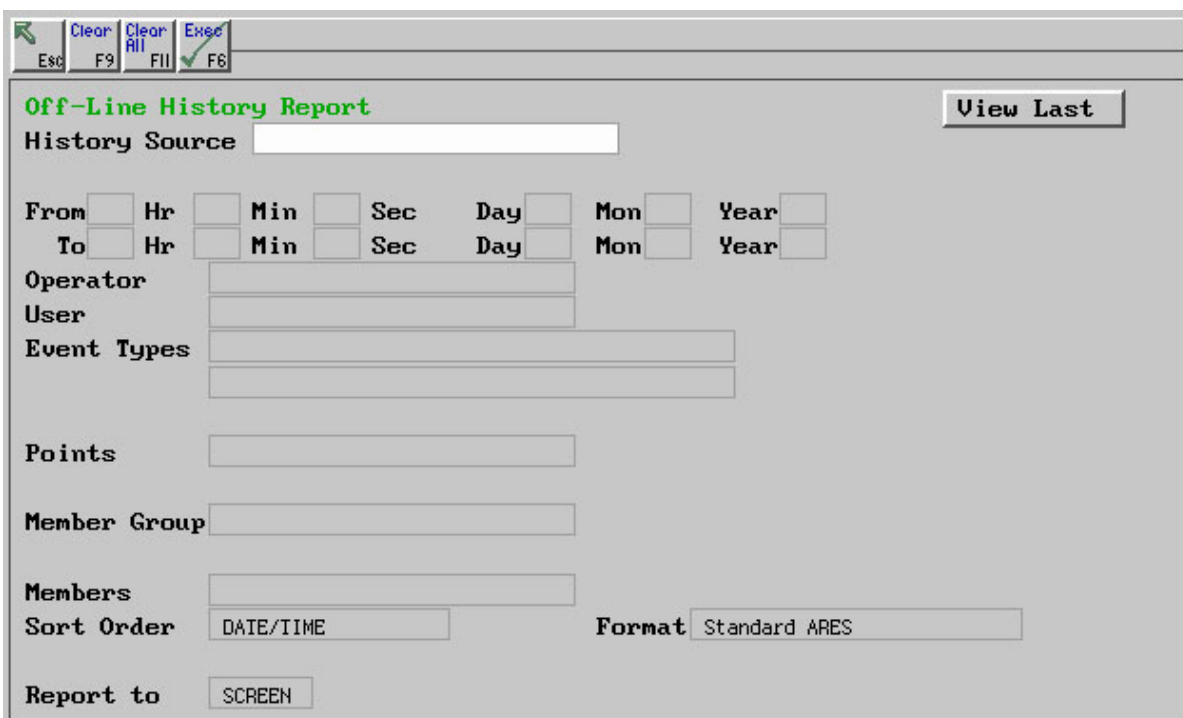
- 1) Select the History Reports icon from the main menu.
- 2) Select the Statistics icon from the History Reports menu.
- 3) The above window will open displaying history records information. This window updates every 2 seconds.

Offline History Report

This is identical to the standard history report except that it works with history that is stored on an archived storage medium. This is faster than the other History Report.

This archived data is inserted into the PC and then selected from the History source field. Then, follow all the steps from the normal History Report procedure.

Off Line History Report Screen



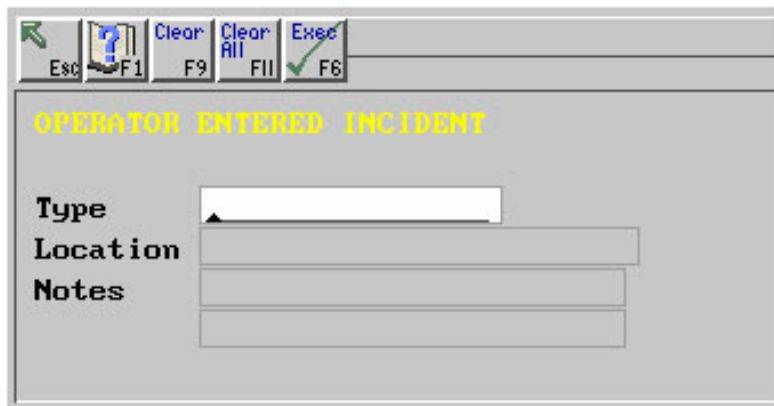
The screenshot shows the 'Off-Line History Report' screen. At the top, there is a toolbar with three buttons: 'Clear' (Esc), 'Clear All' (F9), and 'Exec' (F6). The main title 'Off-Line History Report' is in green text. Below it, the 'History Source' field is empty. To the right of the title is a 'View Last' button. The form contains several input fields: 'From' and 'To' (each with Hr, Min, Sec, Day, Mon, Year sub-fields), 'Operator', 'User', 'Event Types' (two lines), 'Points', 'Member Group', 'Members', 'Sort Order' (set to 'DATE/TIME'), 'Format' (set to 'Standard ARES'), and 'Report to' (set to 'SCREEN').

Field	Value
History Source	
From Hr	
From Min	
From Sec	
From Day	
From Mon	
From Year	
To Hr	
To Min	
To Sec	
To Day	
To Mon	
To Year	
Operator	
User	
Event Types	
Points	
Member Group	
Members	
Sort Order	DATE/TIME
Format	Standard ARES
Report to	SCREEN

Operator Added Incident

An operator can record events that are relevant to security, but are not part of the ARES system.

Operator Added Incident Screen



The screenshot shows a graphical user interface window titled "Operator Added Incident". The window has a standard Windows-style title bar with several buttons: "Esc", "F1", "Clear F9", "Clear All F11", and "Exec F6". The main content area has a yellow header text "OPERATOR ENTERED INCIDENT". Below this header, there are three input fields. The first field is labeled "Type" and is currently highlighted with a mouse cursor. The second field is labeled "Location" and the third is labeled "Notes".

Steps:

- 1) Select Administration / Operator Added Incident icon.
- 3) In the highlighted **Type** field enter a description of the incident (All fields are free format).
- 4) In the **Location** field enter a description of the location in which the incident took place.
- 5) In the **Notes** field enter any further comments which may be relevant to the incident.

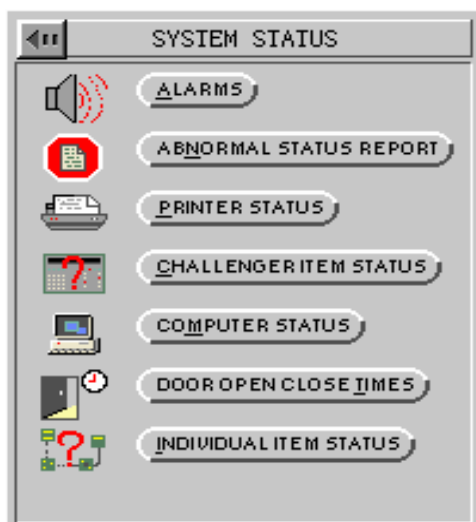
SYSTEM STATUS MENU

System status reports can be used to identify the last notified status of any Challenger point or device (e.g. doors, inputs, areas etc.) It is also used to check printer status and control the printing function.

Member groups, members and ID fields are used in conjunction to retrieve the status of multiple or single items. When a system has a large number of items it is often easier to narrow your selection. The three fields can be used in any combination or individually. If all three fields are omitted and the action is executed, a report will be generated using every member that the operator has access to.

To avoid the possibility of generating reports on unwanted items, care should be exercised when using the member group or member fields. Omitting all fields, or using the member group or member fields without the Id field is not recommended, unless the operator is fully familiar with the items contained in the group. The member group, member and ID fields are used in exactly the same way for each item that can be reported on. (e.g. Inputs, Doors, Areas, Users, etc.)

In this section of the manual you will learn to:



Generate reports on:

- * **Abnormal Status**
- * **Printer Status**
- * **Challenger Item Status**
- * **Computer Status**
- * **Door Open & Close Times**
- * **Individual Item Status**

Abnormal Status Report

A status report can be of two **Types**: alarms and abnormal conditions, or alarms only. By selecting a member group or member, the report will contain any alarms and/or abnormal conditions of Challenger points that are within those specified member groups or members. If nothing is entered in these fields, the report will be generated based on the member access of the operator. See **Introduction, Abnormal Condition Report**. Reports can be reported to screen or printer.

Abnormal Status Can Include:

DOORS: Unlock; Open; Disabled; DOTL Input Isolated; Egress Input Isolated; Forced Input Isolated.

INPUTS: Unsealed; Isolated.

AREA: Accessed; Out of Time Zone.

RAS: Isolated.

DGP: Offline.

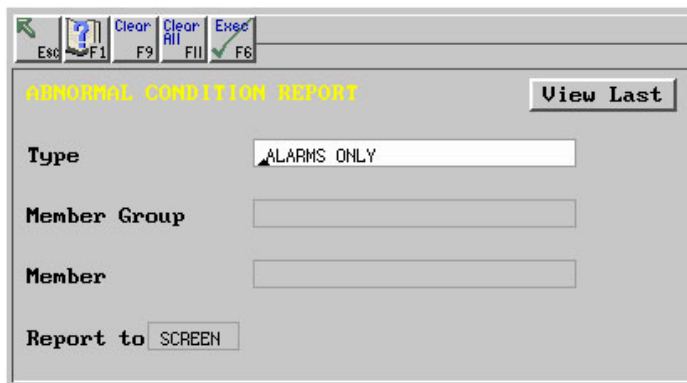
CHALLENGER: Offline; Isolated.

Two types of status reports can be selected from a drop down options menu in the **Type** field:

Alarms Only: Report generated on those points in the Challenger system that are in a state of alarm.

Alarms & Abnormal Conditions: Report generated on those points in the Challenger system that are in a state of alarm, and points which are behaving in a way they have not been programmed for.

Abnormal Status Report



Steps:

- 1) Select System Status / Abnormal Status Report.
- 2) Select the Type required.
- 3) Select the Member Group if required.
- 4) Select Member if required.
- 5) Execute the report by pressing **F6** or click the **exec** icon. A message from ARES will indicate when the report has been completed.

Printer Status

Printer status provides information about printers which are part of ARES. These details include:

- 1) A printer description based on information entered when the printer was first included in the equipment database;
- 2) The status of the printer, whether it is active or down;
- 3) Whether there are print jobs still to be printed;
- 4) How many jobs exist and whether they are events or files that are going to be printed; and
- 5) A list of the files to be printed. Several printer control options are available from the printer status report screen by clicking on the action icon to execute the following functions:

Cancel Report: Cancel and delete the current report selected.

Stop: Suspend printing.

Resume: To restart printing after the Stop command has been used.

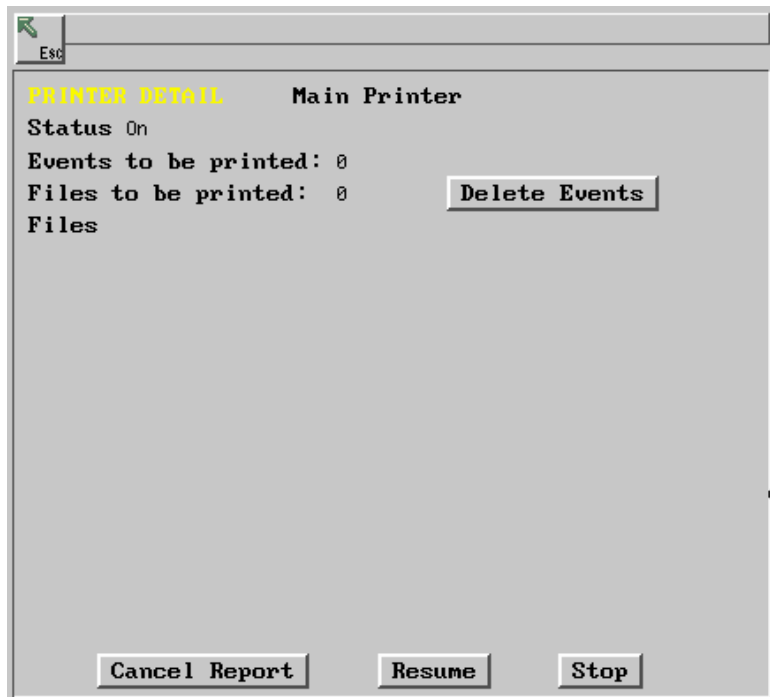
See **Introduction, Printer Status**.

Printer Status Screen



Steps:

Select System Status / Printer Status icon and click on your printer of choice.



Click on **DELETE EVENTS** to delete all event records queued to be printed.
Use the Up and Down Arrows to select a file (Report) and then press **Cancel Report** to delete.
The currently printing report is denoted by an asterisk (*).

Challenger Item Status

Each Challenger in the system has a range of devices controlled by it. Status reports can be created on any of the options contained in a drop down options menu in the **Status Report of** field:

Area	Floor
Challenger	Input
DGP	RAS
Door	Relay

As well as selecting the Challenger item to report on, these items can be further narrowed by selecting member groups or members so only those items within the member group or member selected will be included in the report. Reporting on specific items without being tied to member groups or members can be achieved by selecting the item's ID. If nothing is entered in these fields the report will be generated based on the member access of the operator.

Report Challenger Item Status Screen

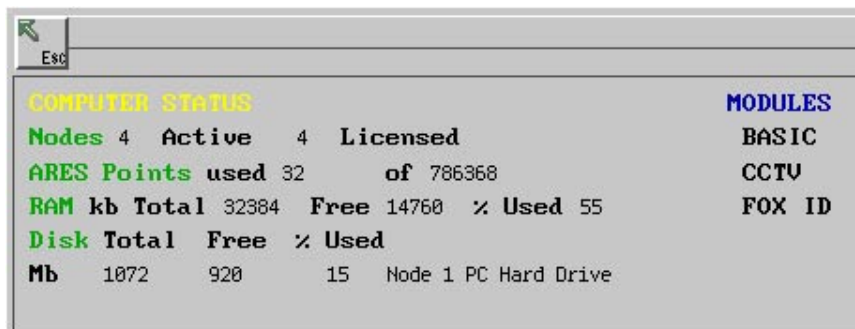
Steps:

- 1) Select the System Status / Report Challenger Item Status.
- 2) In the highlighted **Status Report for** field click the right mouse once or press **F4**.
Select the appropriate option from the drop down options menu, press enter.
- 3) Select Member Group if required.
- 4) Select Member if required. **NOTE:** Selecting a Member precludes selecting a Member Group.
- 5) Select a Challenger if required.
- 8) To execute the report, press **F6** or click the **exec** icon. A message from ARES will indicate when the report has been completed.

Computer Status

Information relating to the nodes memory capacity is displayed in a small screen. The computer's disk space is listed as total megabytes, free megabytes and a percentage value of what is currently being used. Random Access Memory is also displayed in the same format. See **Introduction, Computer Status**. On the right hand side, the Ares licence details also appear for the modules purchased.

Computer Status Screen



COMPUTER STATUS					MODULES
Nodes	4	Active	4	Licensed	BASIC
ARES Points	used	32	of	786368	CCTV
RAM kb	Total	32384	Free	14760	% Used
					55
Disk	Total	Free	% Used		FOX ID
Mb	1072	920	15	Node 1 PC Hard Drive	

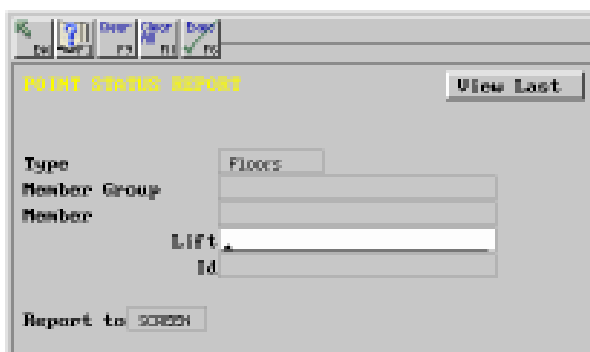
Steps:

- 1) Select System Status / Computer Status.
- 2) A small window will open displaying information about the memory status of the current node.

Door Open Close Times Report

Refer to the Challenger Menu.

Individual Item Status



POINT STATUS REPORT View Last

Type

Member Group

Member

Lift

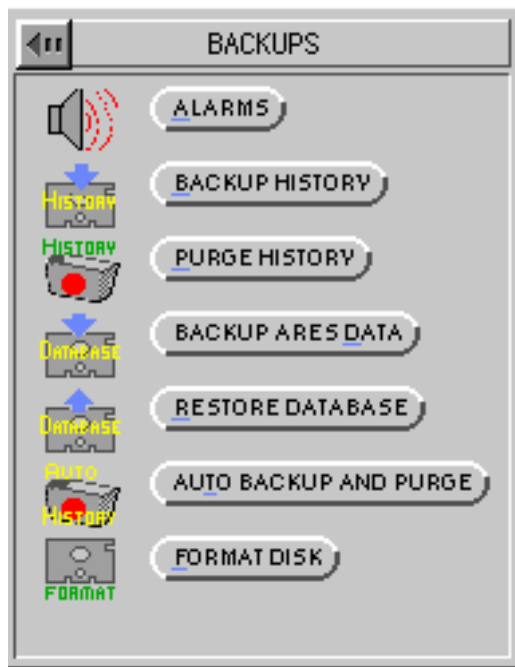
Id

Report to

Functions similar to the Challenger Item Status report, except this allows you to be more specific. That is, if you select input you may choose only one, whereas the Challenger Item Status will give you all the inputs.

BACKUPS MENU

Protecting database and history information held in the ARES system is a safe guard against accidental loss or damage to system information.



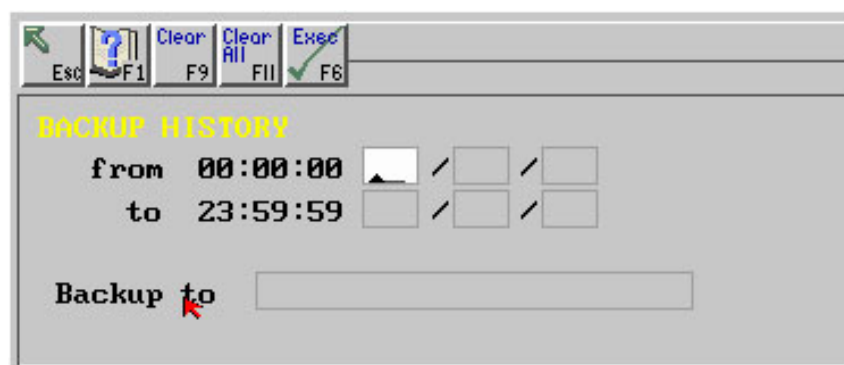
In this section of the manual you will learn to:

- * **Backup History**
- * **Purge History**
- * **Backup ARES Database**
- * **Restore Database**
- * **Auto Backup and Purge**
- * **Format Disks**

Backup History

Every action that ARES encounters (every card badged, light switched and alarm responded to) is stored as history. The history created between two dates can be backed up for future reference. Backing up requires that the information in history be copied to a storage device.

Backup History Screen



Steps:

- 1) Select Backups / Backup History.
- 2) Now set the dates for the backup. The date is organised as day, month and year. Enter dates in the **from** and **to** fields and press enter.
- 3) Select the Storage device.
- 4) Check the information is correct and press **F6** or click the **exec** icon. ARES will prompt for disk insertion.

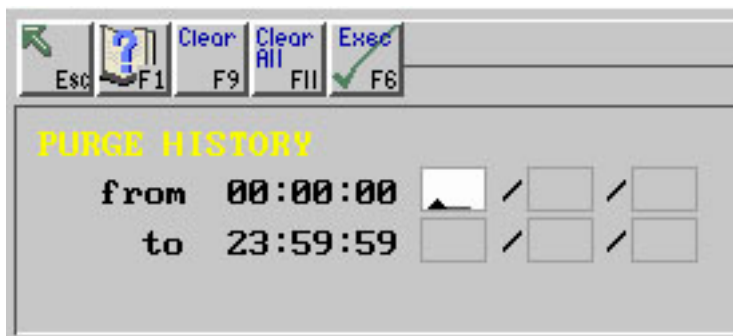
This operation is run in the background. This allows you to do other ARES-related procedures while this is running.

Purge History

The process of purging history is used for managing the system hard disk space. Purge History deletes all of the history from the system hard disk between the requested dates. Before performing a purge, ensure that you have backed-up the selected range of history you wish to purge. This is necessary because History can eventually fill your whole hard disk drive if this purging is not performed. A full hard disk can cause system malfunction!

Warning !! Purging will delete all the selected history.

Purge History Screen



Steps:

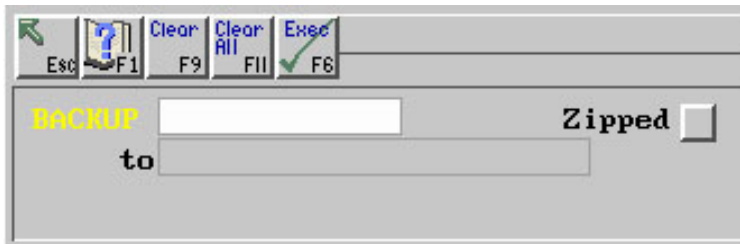
- 1) Select Backups / Purge History.
- 2) Enter the starting and ending dates as day, month and year into the highlighted **from** and **to** fields, then press enter.
- 3) Check the information is correct, then click the **exec** icon or press **F6** to execute purging of history within the selected date range.

Warning !! This process cannot be stopped.

Backup ARES data

Backing up the System Database, Challenger Databases and User Databases is important for safe-guarding valuable data. The frequency of backing up data will depend upon the number of changes made to the database. We recommend that a backup be done after changes to the database are completed. It will provide an easy path to restoring the system to a fully operational state without data loss, should the system ever fail.

Backup ARES Data



Steps:

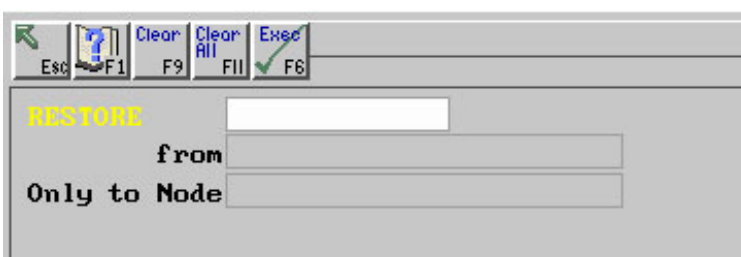
- 1) Select Backups / Backup ARES Data.
- 2) Select the type of backup. Backup types from Node 1 are:
 - Databases:** Backs up all ARES programming, Challenger Data, Users, Event Triggering, Graphics, Operators and CCTV programming (if fitted).
 - Hardware:** Backs up from all nodes, sysinit files, netstat and netmap files.
 - System:** Backs up all ARES executables and PC Configuration files (log in, speed bar etc.).
- 3) Select the storage device.
- 4) Click the **Exec** (F6) button to start the backup.

Restore Database

Restoring the database should only be used after consulting your Installation Company. The restoration procedure will restore the system's database to the last backup date. This is where the storage devices selected during Backup Database are used, so it is important to properly number and date backed-up information.

Note: This should only be used as a recovery if the PC has crashed or there has been a system's failure.

Restore Database Screen



Steps:

- 1) Select Backups / Restore Databases.
- 2) Select the restoral type.
- 3) Select the storage device ('from' field).
- 4) The '**Only to Node**' field applies to the 'Hardware' type of backup.
- 5) Press F6 to start the restoral.

Auto Backup & Purge

This process backs up history and then purges it from the ARES system according to date and time parameters. Once the backup has been completed the information will then be purged. This can be performed on a regular basis without the need for an operator to be prompted to perform the task. However, operator intervention is required to insert disks.

Automatic settings for Backup and Purge are:

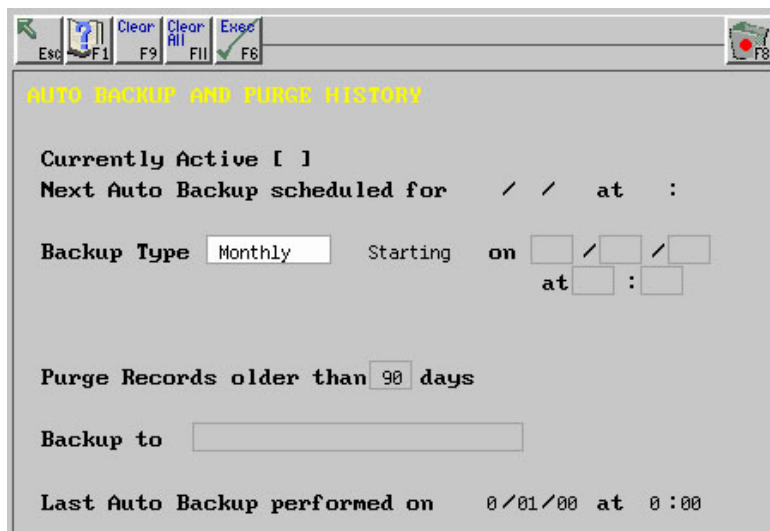
Monthly: Will backup and purge on the same date every month.

Once Only: Will backup and purge once only on a set date.

Periodic: Will backup and purge every X number of days. A number from 1 to 99 is valid. A starting date and time must be selected for the periodic backup to commence.

Important !! Please ensure that an operator is available for disk changing at the required time.

Auto Backup & Purge Screen



AUTO BACKUP AND PURGE HISTORY

Currently Active []

Next Auto Backup scheduled for / / at :

Backup Type Starting on / / at :

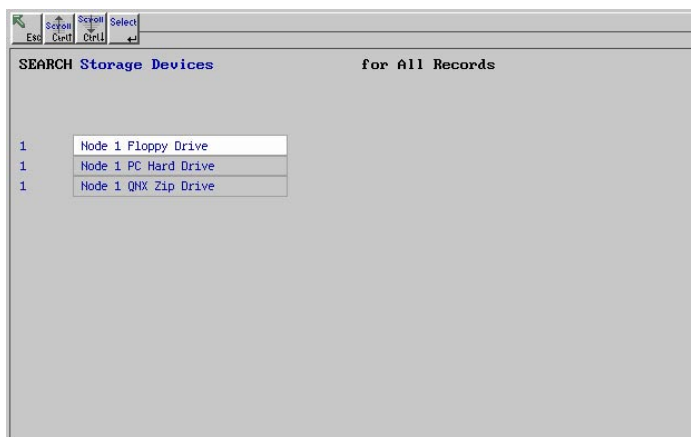
Purge Records older than days

Backup to

Last Auto Backup performed on 0/01/00 at 0:00

Steps:

- 1) Select Backups / Auto Backup & Purge icon.
If Auto Backup & Purge was performed previously the window will display the current settings with an X in the **Currently Active** field, dates of the next archive and purge, which storage device it will use, and when the last Archive was performed.
- 2) To select a backup type click the right mouse button in the highlighted **Backup Type** field or press **F4**. Select the appropriate option from a drop down options menu and press enter.
- 3) In the highlighted **Starting on** field enter day, month and year.
- 4) Enter the hour and minutes in the highlighted **at** field and press enter.
- 5) For period archiving an extra field will appear: **Repeat every X days**. Enter the number of days (1 to 99 is valid) and press enter.
- 6) In the **Purge Records older than X days** field, enter the number of days you wish to keep (1 to 99 is valid) before purging them and press enter.
- 7) On the highlighted **Archive to** field, click the right mouse button once or press **F4**. A search screen will open displaying available storage device options.



Select the appropriate storage device option and click the **select** icon, press enter or **F5**.

- 8) Check the information is correct, click the **exec** icon or press **F6** to execute the auto archiving process. The back up will commence on the selected date and time. When the selected date occurs the system will display the initial Auto Archive & Purge screen.

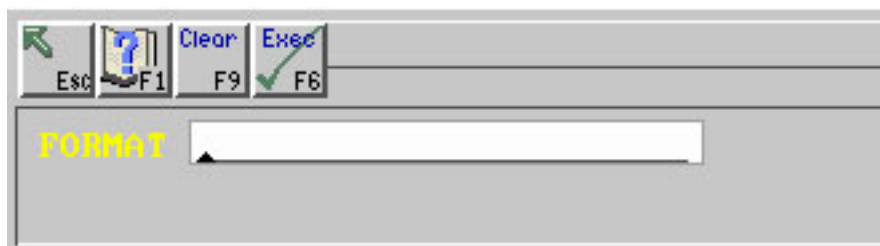
NOTE: To stop Auto Archive & Purge, press **F8** or click on the Trash Can.

Format Disk

This formats the selected device for use in QNX; to be used for backup, storage etc.

It does **not** format in MSDOS.

Format Disk Screen



Steps:

- 1) Select Backups / Format Disk.
- 2) Insert the disk into the disk drive and select the appropriate drive.
- 3) Press the **F6** key to start formatting.